

Patent Claims

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1. Armored wheeled vehicle composed of individual sections and having a drive section, which contains a drive unit, as well as a mission section that can be detachably coupled with the rear portion of the drive section via a vertical plane of separation, characterized in that drive section (1) and mission section (2) respectively have in the coupling cross-section a rear wall (4.1-4.5) or a front wall (5.1-5.5) and/or a frame profile that extends about at least a portion of their periphery, and the rear wall and front wall, and/or the frame profiles, which are placed against one another during the coupling process, can be rigidly coupled to one another at at least two locations of their periphery via positively operating coupling devices (7.1-7.1', 7.2, 9.1-9.4, 9.1'-9.4').
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2. Wheeled vehicle according to claim 1, characterized in that rear wall and front wall respectively have a passage way.
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3. Wheeled vehicle according to claim 1 or 2, characterized in that the coupling devices are embodied as self-centering bolt-hole connections.

4. Wheeled vehicle according to claim 3, characterized in that with two coupling devices, one of the holes is embodied as a slot.
5. Wheeled vehicle according to one of the claims 1 to 4, characterized in that the coupling devices are provided with automatically latching or engaging interlocking devices.
6. Wheeled vehicle according to one of the claims 1 to 5, characterized in that to transfer the tension forces from bending and/or for prestressing the vehicle structure, the front wall and rear wall and/or the frame profiles are interconnectable in the region between the coupling devices by screw or pull strap connections.
7. Wheeled vehicle according to claim 6, characterized in that the screw or pull strap connections can be automatically prestressed.
8. Wheeled vehicle according to one of the claims 1 to 7, characterized in that the coupling of electrical and/or hydraulic and/or pneumatic devices in the drive section (1) and mission

section (2) is effected via connecting devices having self-centering connection elements (8.1, 8.2).

5 9. Wheeled vehicle according to claim 8, characterized in that the connection devices for electrical and/or hydraulic and/or pneumatic connections are disposed on freely mounted self-centering coupling plates, (8.1, 8.2) disposed in the rear portion of the drive section (1) and on the front portion of the mission section (2).

10 10. Wheeled vehicle according to one of the claims 1 to 9, characterized in that dampening means are disposed in the plane of separation (T) between the placed against one another rear wall (4.1-4.5) and front wall (5.1-5.5) or the frame profiles of
15 the vehicle sections (1,2).

20 11. Wheeled vehicle according to one of the claims 1 to 10, characterized in that for the ballistic protection of the overall vehicle in the region of the plane of separation, structural sheets and/or protection plates are provided that overlap the separating planes between the vehicle sections.

12. Wheeled vehicle according to one of the claims 1 to 11, characterized in that in the region of the plane of separation (T) between the placed against one another rear wall (4.1-4.5) and front wall (5.5-5.5) or the frame profiles of the vehicle sections, a peripheral seal (6.2) is disposed.

13. Wheeled vehicle according to claim 12, characterized in that the peripheral seal is embodied as an inflatable seal.

14. Wheeled vehicle according to one of the claims 1 to 13, characterized in that in the region of the plane of separation (T) on the drive section (1) and mission section (2), projecting or recessed parts (1.3, 2.3) of the vehicle structure are disposed in such a way that in the coupled state of the vehicle sections (1,2), the rear of the drive section (1) extends below at least portions of the front part of the mission section (2).

15. Wheeled vehicle according to one of the claims 1 to 14, characterized in that disposed in the drive section (1) is a driver stand and in the mission section (2) is a personnel compartment that in the coupled state are interconnected via passageway portions (6-6.1) that are closed off toward the outside.

16. Wheeled vehicle according to one of the claims 1 to 15,
characterized in that a single-axle vehicle section is provided
with supports (2.2) or support wheels that can be extended or
folded out.

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17. Wheeled vehicle according to one of the claims 1 to 16,
characterized in that it is composed of one drive section and at
least two successively arranged mission sections.

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18. Wheeled vehicle according to one of the claims 1 to 17,
characterized in that at least one of the mission sections (2) is
equipped with a weapon (3).

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19. Wheeled vehicle according to one of the claims 1 to 18,
characterized in that the drive unit of the drive section (1) is
embodied as a diesel electric drive.

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20. Wheeled vehicle according to claim 19, characterized in that the
electrical drive motors of the diesel electric drive are disposed in
the wheel hubs of the drive section (1) and of the mission

section (2) and in the mission section batteries are provided to supply the drive motors of the mission section.

- 5 21. Wheeled vehicle according to claim 20 in conjunction with claim 16, characterized in that with a mission section having support wheels, an auxiliary control device is provided to carry out independent shunt movements of the mission section.